



Attorney Docket No. SPO-593
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Group Art Unit: 1773
)
MIHARU; SUZUKI) Examiner: Chen, Vivian
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Serial No. 09/806,305)
)
Filed: March 29, 2001)

For: LAMINATED FILM AND METHOD OF PRODUCING THE SAME

Appendix A

Please amend the following claims as indicated according to the revision to 37 C.F.R. § 1.121 concerning a manner for making claim amendments.

Claims 1-5 (Cancelled)

6. (Currently amended) A method of producing a laminated film by extrusion-laminating comprising the step of:

extrusion-laminating on the surface of a polyester film of which the surface is oxidized and has a surface wet tension of not smaller than 45 dyns/cm,

(1) an extrusion-lamination resin+ comprising an ethylene/unsaturated carboxylic acid/(meth)acrylic acid ester copolymer or a mixture resin composition thereof with an ethylene/unsaturated carboxylic acid copolymer and/or an

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ethylene/(meth)acrylic acid ester copolymer, the amount of the unsaturated carboxylic acid component being from 1 to 12% by weight and the amount of the (meth)acrylic acid ester component being from 2 to 25% by weight with respect to the total amount of said extrusion-laminated resin components, or an ~~ethylene/unsaturated carboxylic acid/(meth)acrylic acid ester copolymer, or~~ (2) an extrusion-lamination resin comprising a mixture resin ~~comprising~~ composed of:

(a) 100 parts by weight of the mixture resin component of an ethylene/unsaturated carboxylic acid/(meth)acrylic acid ester copolymer or the mixture resin composition of said ethylene/unsaturated carboxylic acid/(meth)acrylic acid ester copolymer with an ethylene/unsaturated carboxylic acid copolymer and/or an ethylene/(meth)acrylic acid ester copolymer, the amount of the unsaturated carboxylic acid component being from 1 to 12% by weight and the amount of the (meth)acrylic acid ester component being from 2 to 25% by weight with respect to the total amount of the extrusion-laminated resin components, and

(b) not more than 30 parts by weight of an ethylene/ α -olefin copolymer resin having a density of 840 to 900 kg/m³, at a resin temperature of from 280 to 340 °C.

7. (Original) A method of producing a laminated film according to claim 6, wherein said extrusion-lamination resin is extrusion sandwich-laminated between said polyester film and another polar base member.

Claims 8-11 (Cancelled)

12. (Previously presented) A method of producing a laminated film by extrusion-laminating, comprising the step of:

extrusion-laminating on the surface of a polyester film, an ethylene/unsaturated carboxylic acid/(meth)acrylic acid ester copolymer or a mixture resin composition thereof with an ethylene/unsaturated carboxylic acid copolymer and/or an ethylene/(meth)acrylic acid ester copolymer, the amount of the unsaturated carboxylic acid component being from 1 to 12% by weight and the amount of the (meth)acrylic acid ester component being from 2 to 25% by weight with respect to the total amount of said extrusion-laminated resin components, at a resin temperature of from 280 to 340° C.

13. (Previously presented) A method of producing a laminated film by extrusion-laminating onto at least one surface of a polyester film, a mixture resin comprising:

(a) 100 parts by weight of the mixture resin component of an ethylene/unsaturated carboxylic acid/(meth)acrylic acid ester copolymer, or the mixture resin composition of said ethylene/unsaturated carboxylic acid/(meth)acrylic acid ester copolymer with an ethylene/unsaturated carboxylic acid copolymer and/or an ethylene/(meth)acrylic acid ester copolymer, the amount of the unsaturated carboxylic acid component being from 1 to 12% by weight and the amount of the (meth)acrylic acid ester component being from 2 to 25% by weight with respect to the total amount of the extrusion-laminated resin components; and

(b) not more than 30 (excluding 0) parts by weight of an ethylene/ α -olefin copolymer resin having a density of from 840 to 900 kg/m³, at a resin temperature of from 280 to 340°C.

14. (Currently amended) The method of claim 12, wherein the carboxylic acid group ~~of the unsaturated carboxylic acid group~~ in said copolymer or said mixture resin composition is partly ionized with an alkali metal ion or an alkaline earth

metal ion within a range in which the ionization degree is not larger than 20%.

15. (Currently amended) The method of claim 13, wherein the carboxylic acid group ~~of the unsaturated carboxylic acid group~~ in said mixture resin composition is partly ionized with an alkali metal ion or an alkaline earth metal ion within a range in which the ionization degree is not larger than 20%.

16. (Previously presented) The method of claim 12, wherein another polar base member is laminated on the polyester film via the extrusion-laminated resin.

17. (Previously presented) The method of claim 13, wherein another polar base member is laminated on the polyester film via the extrusion-laminated resin.

18. (Previously presented) The method of claim 16, wherein the polar base member is selected from the group consisting of an aluminum foil, an aluminum-deposited polyester film, an aluminum-deposited polypropylene film, a silica-deposited

polyester film, alumina-deposited polyester film, a polyamide film, an ethylene/vinyl alcohol copolymer film and a paper.

19. (Previously presented) The method of claim 17, wherein the polar base member is selected from the group consisting of an aluminum foil, an aluminum-deposited polyester film, an aluminum-deposited polypropylene film, a silica-deposited polyester film, alumina-deposited polyester film, a polyamide film, an ethylene/vinyl alcohol copolymer film and a paper.

20. (New) The method of claim 12, wherein the carboxylic acid group in said copolymer or said mixture resin composition is partly ionized with a zinc ion within a range in which the ionization degree is not larger than 20%.